



Australian Government
Department of Industry,
Innovation and Science

**National
Measurement
Institute**

Supplementary Certificate of Approval
NMI S703

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

AUSDYN Model Austral TCPOS Point of Sale (POS) System

submitted by Austral Dynamics Pty Ltd
Suite 1.03, Level 1, Quad 1, 8 Parkview Drive
Sydney Olympic Park NSW 2127

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI M 7, *Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

This approval becomes subject to review on 1/11/21, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – interim certificate issued	28/10/15
1	Pattern approved – certificate issued	2/06/16

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S703' and only by persons authorised by the submitter.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

Special

Certain aspects of this instrument (in particular transaction record printing formats) are able to be configured by the user. Whilst NMI believes that acceptable formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

A handwritten signature in black ink, appearing to read 'Dr A Rawlinson', with a horizontal line underneath.

Dr A Rawlinson

TECHNICAL SCHEDULE No S703

1. Description of Pattern

approved on 28/10/15

An AUSDYN model Austral TCPOS point of sale (POS) system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments granted with reference to document NMI M7.

1.1 Key Features

- The system provides point of sale arrangements for a Teraoka Digi DS-866 series self-indicating non-automatic weighing instrument (approval NMI 6/4C/249) or other compatible (#) NMI-approved measuring instruments.
 - The system receives measurement data from the output interface of the approved measuring instrument and computes prices using a product look up (PLU) facility.
 - The system computes total price for multiple items including non-measured items and is approved for use for transactions direct to the public.
 - Manually entered measurement data shall be indicated as such on a printed transaction record.
 - The system is able to apply a preset tare value up to the maximum capacity of the approved measuring instrument. Preset tare values may be keyboard-entered or stored (e.g. within a PLU facility).
 - The POS controllers may be connected in a network to share common PLU data, for totalisation, and to accumulate and retrieve management information.
- (#) 'Compatible' is defined to mean that no additions/changes to the hardware/software specified in this approval are required for satisfactory operation of the system.

1.2 System Description

The AUSDYN model Austral TCPOS point of sale (POS) system (Figure 1) comprises:

(i) POS Controller

The AUSDYN model Austral TCPOS POS controller comprises a PAR model M5100 or equivalent (*) PC-based device that operates a Microsoft Windows-based operating system running TCPOS version '4.5.x.x' software module. The version number is displayed on the operator login screen.

(ii) Electronic Indications

Indications shall satisfy the requirements of document NMI M7, *Pattern Approval Specifications for Point of Sale Systems*.

The POS controller has an integral touch sensitive display to provide an indication for the operator (Figure 2).

Note: The integral 2-line customer display does not meet the requirements of document NMI M7 and must be disconnected and disabled.

(iii) Printing Devices

Transaction records shall satisfy the requirements of document NMI M7, *Pattern Approval Specifications for Point of Sale Systems*.

An Epson model TM-T88V printer or equivalent (*) is connected to provide a transaction record printing facility. Typical records are shown in Figure 3.

- (*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to the software specified in this approval for satisfactory operation of the system.

(iv) Additional System Facilities

In addition, the system may include other facilities including point of sale cash drawers, magnetic card and/or barcode reader and electronic funds transfer (EFT), etc. The facilities shall not interact with the system in a way that would cause an incorrect indication of the measured quantity or price.

1.3 Verification Provision

Provision is made for the application of a verification mark.

1.4 Descriptive Markings

The POS controller is marked in a clear and permanent manner, in one location, with the following information:

Submittor's name or mark
Serial number or other unique identifier
Pattern approval number	NMI S703

TEST PROCEDURE No S703

The POS system shall be tested in addition to any tests specified in the approval documentation for the measuring instrument/s to which the POS system is connected, as appropriate

The POS system shall be tested in the normal operational mode of the instrument and device, not in 'training mode' or any other management mode.

Maximum Permissible Error

The maximum permissible error for price computation is ± 0.5 cent.

TESTS

1. Check the software version number/s.
2. Check that the POS system faithfully reproduces the measurement data in the same units and scale interval as the connected approved measuring instrument, e.g. test by using a PLU without a stored tare.
3. Check that the system performs correct price computation, and computes and indicates a correct unrounded subtotal. For cash payment methods, check that any rounding calculation is correct.
4. Perform a measurement with a preset tare applied and confirm that the POS system correctly calculates and indicates a net measurement result.

5. Manually enter some pre-determined measurement data and ensure that the printed transaction record clearly indicates the transaction as such.
6. For network systems check to ensure that the measurement data printed on the transaction record is correctly reproduced.
7. Ensure that electronic indications and printed information are in accordance with document NMI M7.

FIGURE S703 – 1

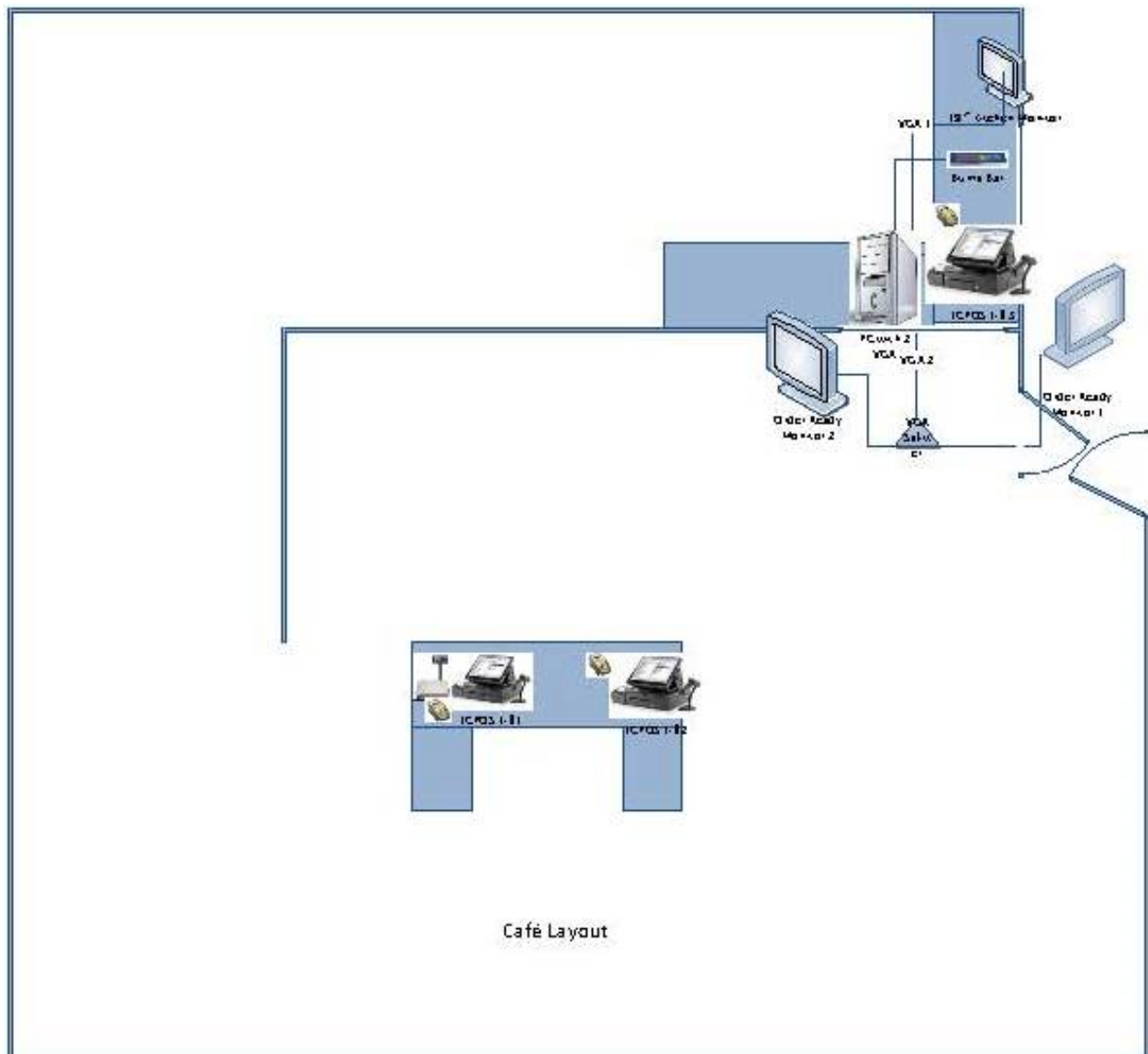


FIGURE S703 – 2

Apple Blackcurrent	\$3.00	 Delete transaction item	<div>Gravy</div> <div>Rice Boiled Large</div> <div>Rice Boiled Small</div>			
Chocolate Oak	\$3.10		<div>Rice Fried Large</div> <div>Rice Fried Small</div> <div>Roast Meat</div>			
Coke Zero 375ml	\$2.70		<div>Roast Meat with Vegetables</div> <div>Roast Roll</div> <div>Roast Roll with Salad</div>			
Coke Zero 600ml	\$3.80		<div>Soup Large</div> <div>Soup Large combo</div> <div>Soup Small</div>			
Roast Roll	\$6.50		<div>Standard Meal</div> <div>Standard Meal with 3 Veg</div> <div>Vegetable only</div>			
Roast Roll with Salad	\$8.00		<div>Apple Blackcurrent</div> <div>Apple Glass Sunraysia</div> <div>Chocolate Moove</div>			
Soup Small	\$2.00		<div>Chocolate Oak</div> <div>Coca Cola 375ml</div> <div>Coca Cola 600ml</div>			
Vegetable only	\$1.20		<div>Coke Can 250ml</div> <div>Coke Diet 375ml</div> <div>Coke Diet 600ml</div>			
Standard Meal with 3 Veg	\$6.00		<div>Coke Green Can 250ml</div> <div>Coke Zero 375ml</div> <div>Coke Zero 600ml</div>			
Soup Large	\$4.00		<div>Cool Ridge Sparkling</div> <div>Cool Ridge Sprkling Berry</div> <div>Cool Ridge Sprkling Citrus</div>			
SubTotal: \$ 40.30		26/05/2016 11:40:08 AM	1 / 4			
Breakfast	Drinks	 Serve Orders				
Standard Meal	Beverages					
Hot Food	Cakes					
Special Bar						
Cold Food						
Generic						
		Breakfast	Main Meal	Hole in the Wall	Checkout	

Typical Operator Display

FIGURE S703 – 3

342
Canberra Hospital
Staff Cafeteria
Yamba Drive, GARRAN ACT 2605
Phone:02 6244 2777

TAX INVOICE
ABN:82 049 056 234

Date:03.11.2015 12:13 Receipt No.:217

Salad Bar	2.38
0.140 kg NET(scale) X 17.00 \$/kg	
Bread Slices	1.00
*Coke Can 250ml	2.00
Subtotal \$	5.38
Rounding	0.02
Total \$	5.40
GST INCLUDED IN TOTAL	0.18
* = Taxable Items	
1 - Cash	5.40
Cash given: 10.00 Change: 4.60	

03.11.2015 #:217 C:10002 S:10
Served you : Lyra

Enjoy your meal!

Canberra Hospital
Staff Cafeteria
Yamba Drive, GARRAN ACT 2605
Phone:02 6244 2777

TAX INVOICE
ABN:82 049 056 234

Date:26.05.2016 11:33 Receipt No.:317

Rice Fried Large	3.80
Rice Fried Small	2.50
Soup Small	2.00
Special's bar	16.66
0.980 kg NET(manual) X 17.00 \$/kg	
Subtotal \$	24.96
Rounding	-0.01
Total \$	24.95
GST INCLUDED IN TOTAL	
* = Taxable Items	
1 - Cash	24.95

26.05.2016 #:317 C:10001 S:10
Served you : TCPOS Supervisor

Enjoy your meal!

Some Typical Receipts

~ End of Document ~